

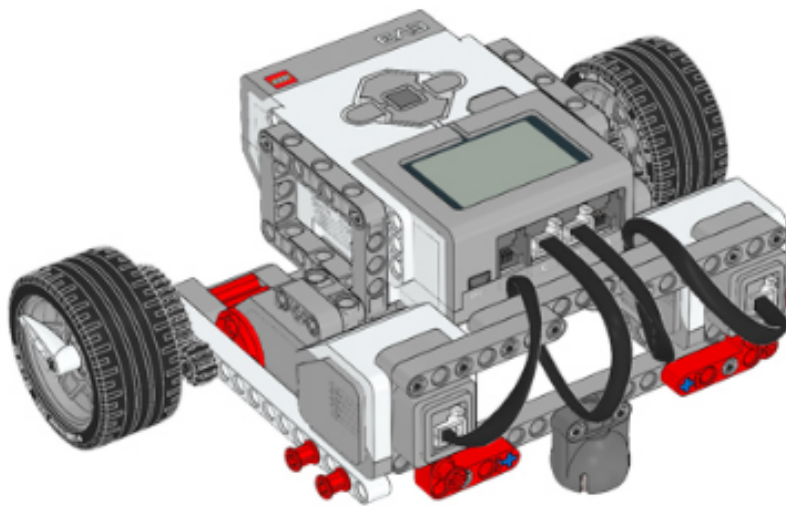
Practica 7

Título: Robot móvil escalador

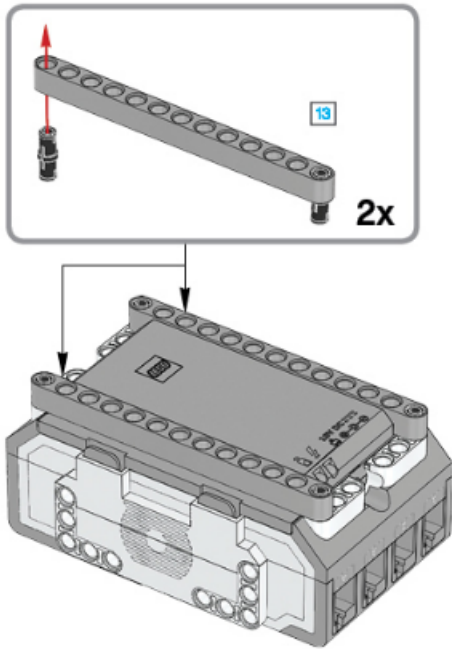
En esta práctica se muestra como construir un robot con engranajes para incrementar el torque.

Ejercicio

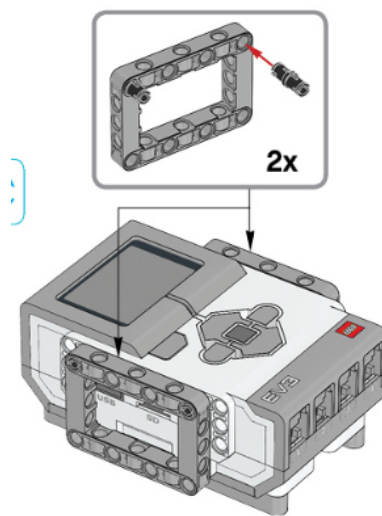
construya un robot como se muestra en la siguiente figura



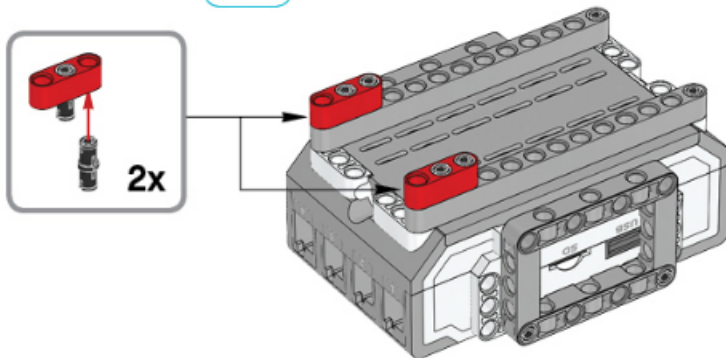
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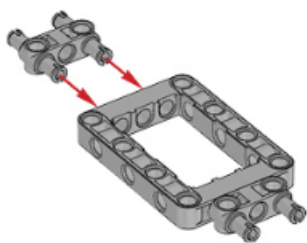
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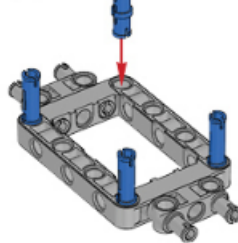
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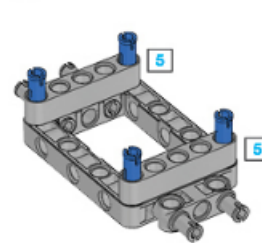
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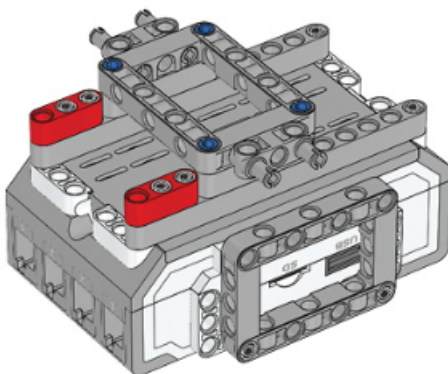
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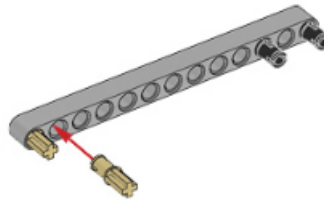


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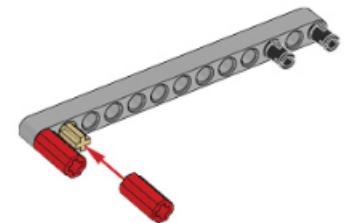


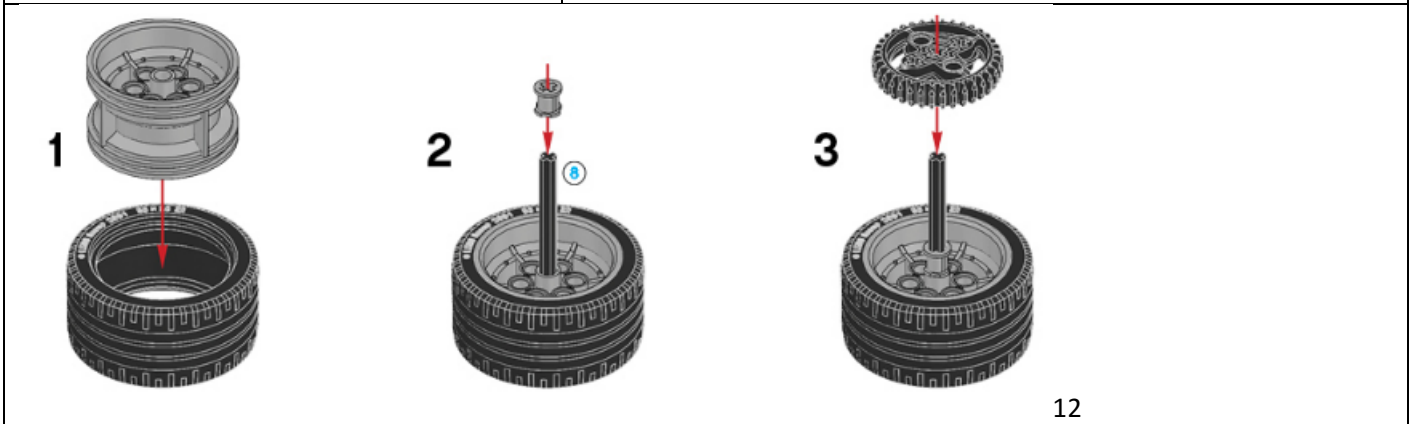
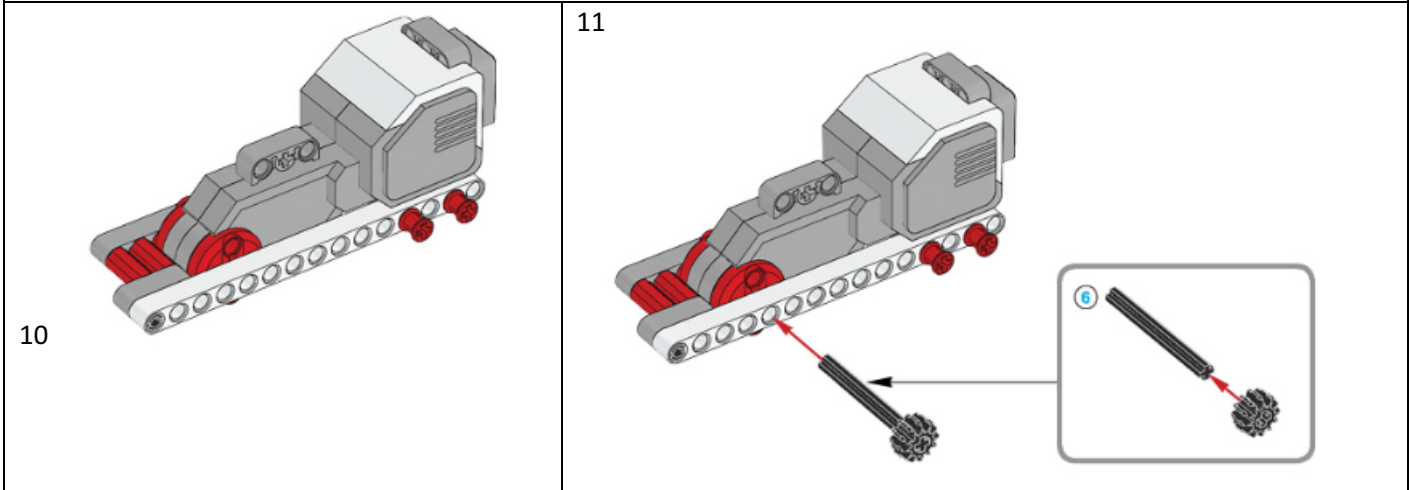
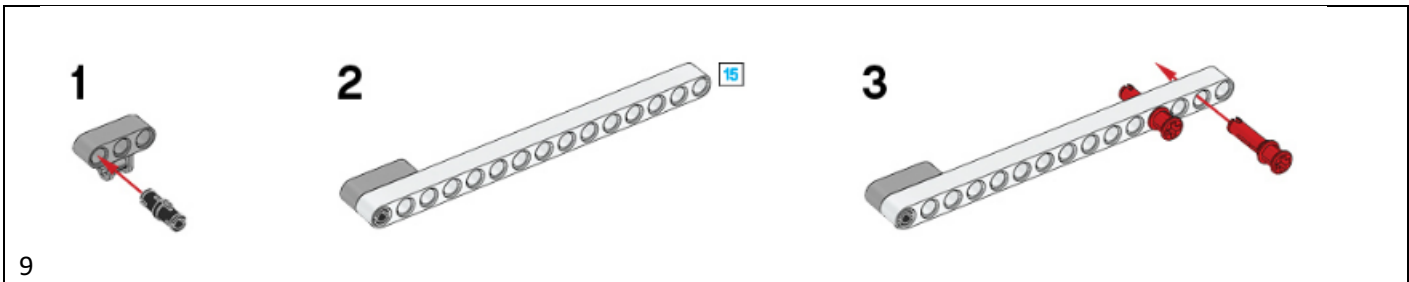
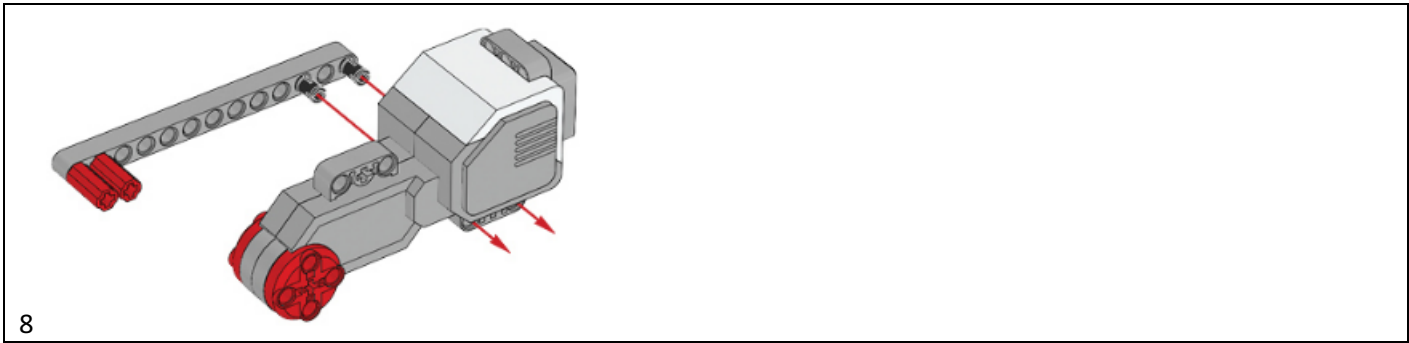
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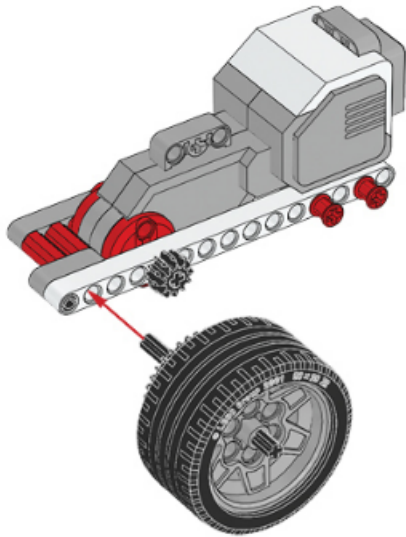


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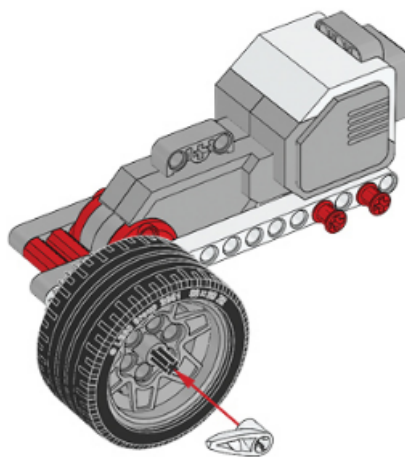




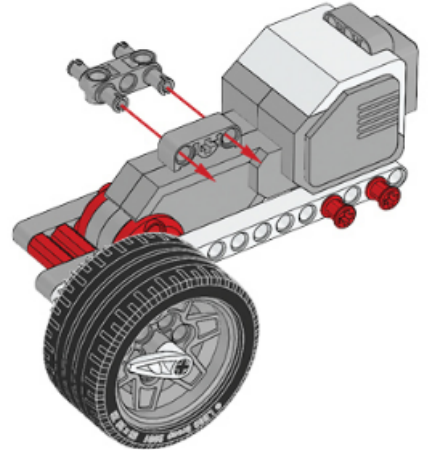
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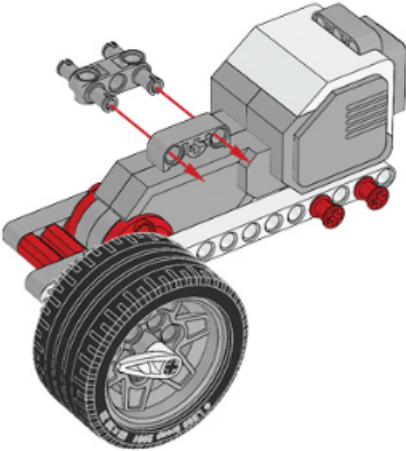
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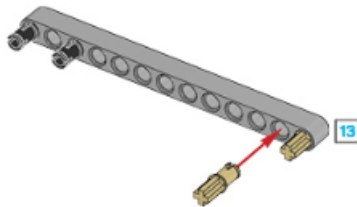
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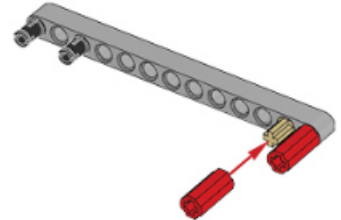
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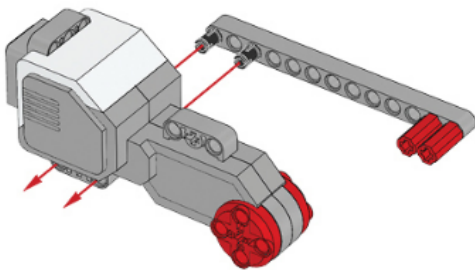
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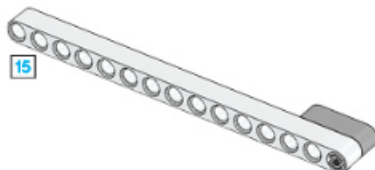
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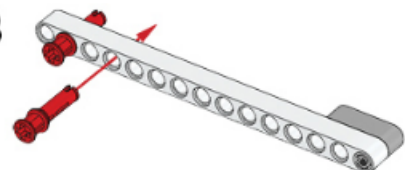
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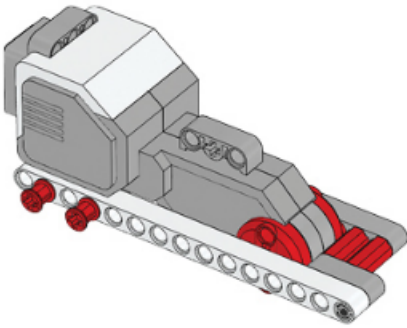


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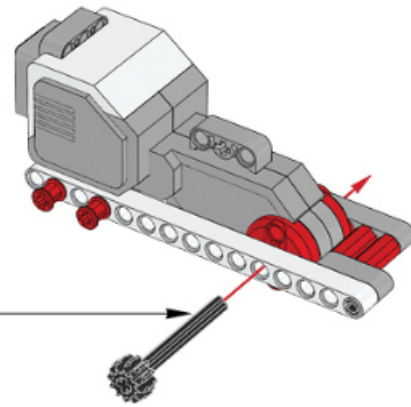
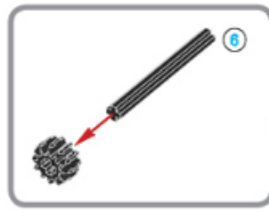


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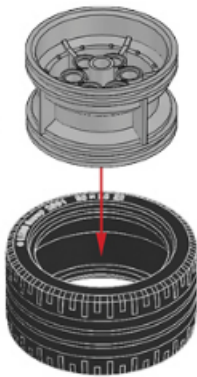
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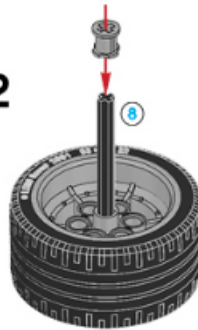
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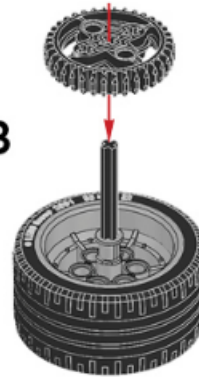
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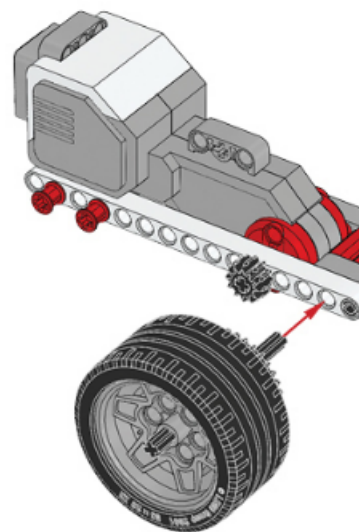


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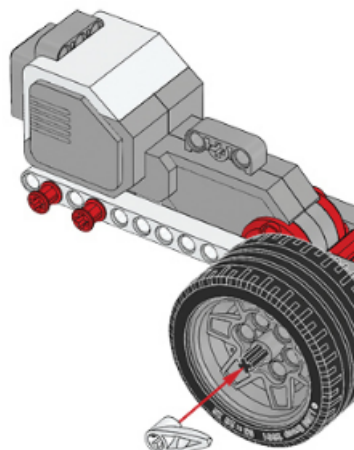


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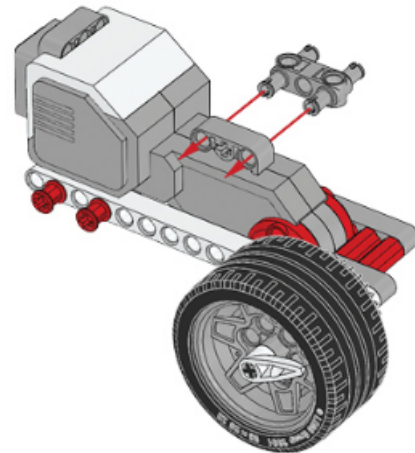
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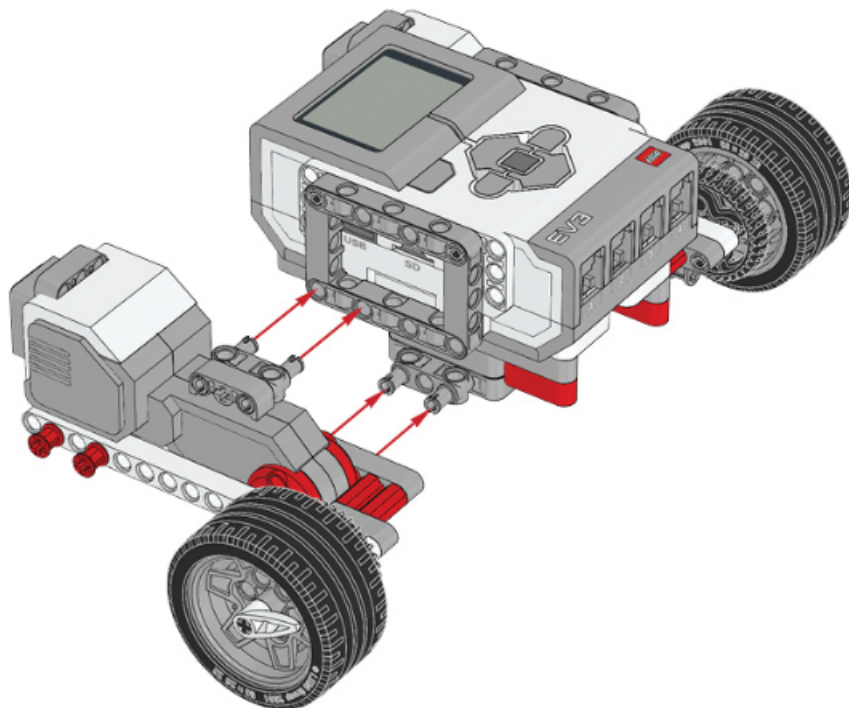


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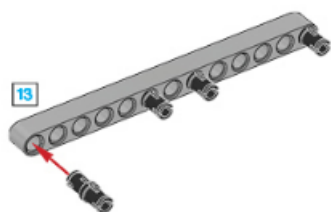


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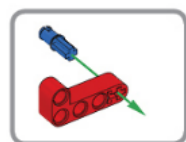




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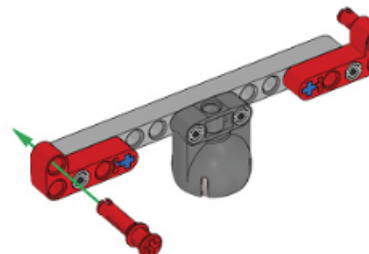
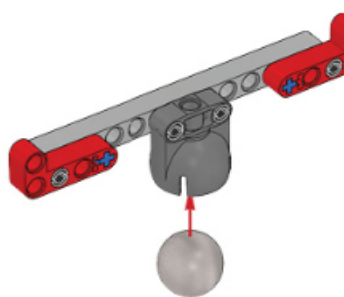
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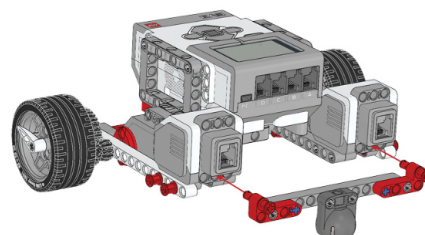
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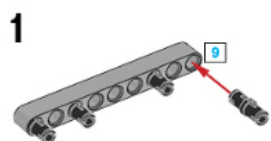
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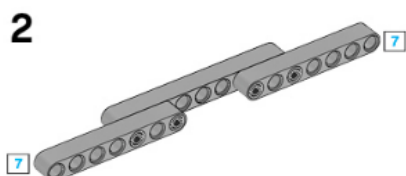
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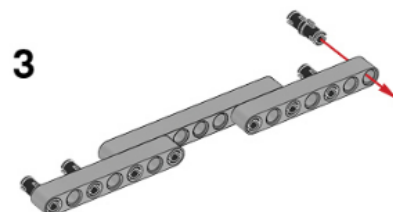
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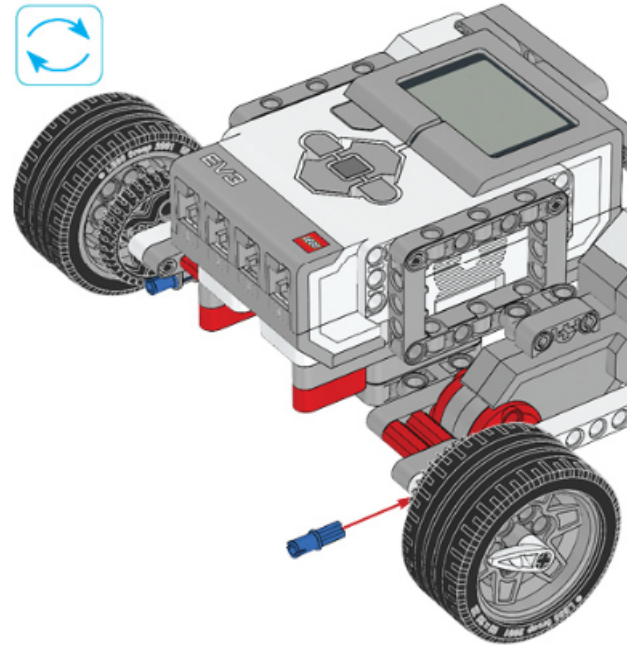
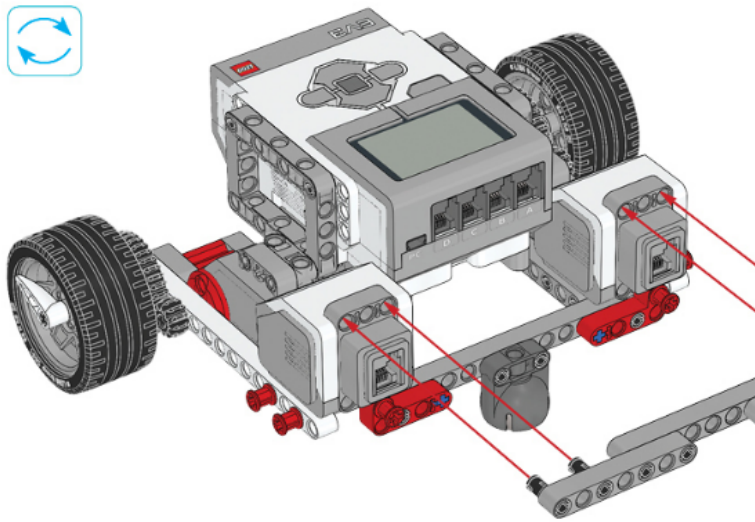
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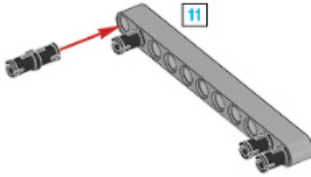
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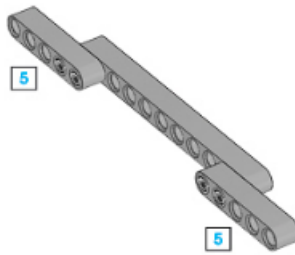
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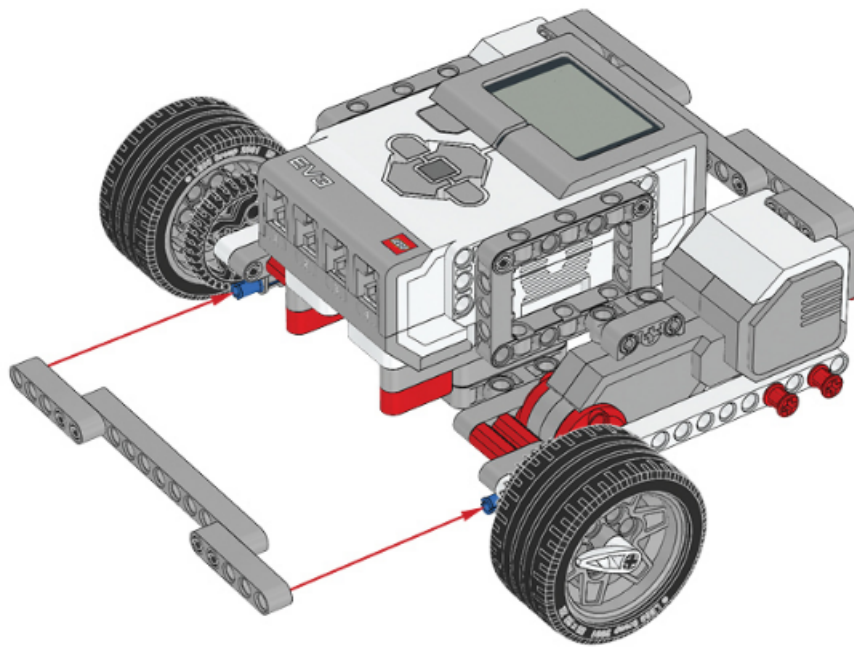
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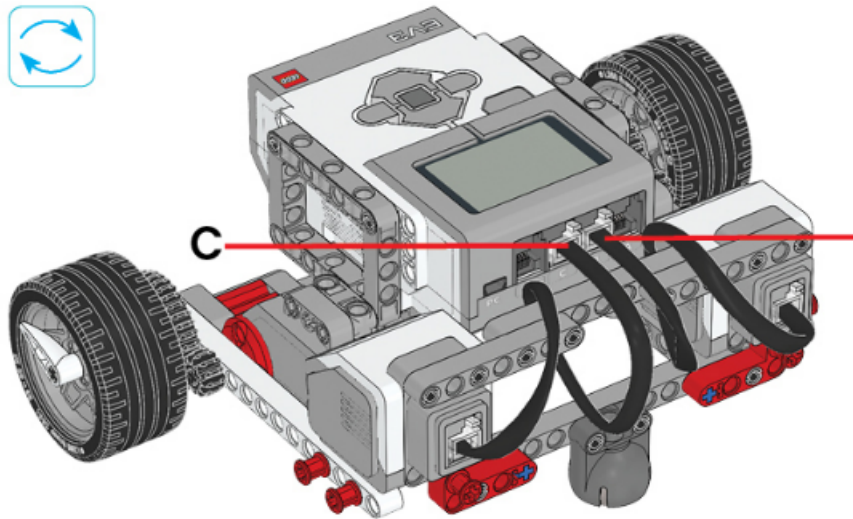
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Ejercicio 1:

1. ¿Cuál es el diámetro de la rueda? _____
2. ¿Cuál es la circunferencia de la rueda? _____
3. ¿Cuántos cm avanza la rueda cuando la rueda gira una rotación completa? _____
4. ¿Cuántas rotaciones debe hacer el motor para que la rueda haga una rotación completa? _____
5. ¿Cuántos cm avanza la rueda cuando el motor gira una rotación completa? _____
6. ¿Cuántas rotaciones debe dar el motor para que el robot avance 1m? _____
7. ¿Haz que el robot realice un cuadro de 30 cm por 30 cm? _____
8. ¿Haz que el robot realice un triangulo equilatero de 40 cm? _____
9. ¿Haz que el robot realice un triangulo rectangulo de base de 40 cm y 50 cm de altura? _____